

**Flood Control Project Maintenance
Levee Inspections**

Fall 2018 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0554	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 0554 Walnut Grove	U	1.13						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.15	0.15	0.75	66.62%		0.01		
Trim / Thin Trees	0.13	0.08	0.45	39.97%				
Encroachments					0.01			
Erosion / Bank Caving	0.01	0.01	0.05	4.44%				
<i>Supplemental</i>								
2017 USACE Erosion Survey, DRAFT	0.10		0.10	8.88%				
DWR UCIP Field Study					0.13	0.04		
<i>LMA Totals:</i>	0.39	0.24	1.35	119.92%	0.14	0.05	0.00	0.00

Unit No. 01 Sacramento River LB	Overall Unit Rating	Total Unit Miles						
RD0554	U	1.13						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.15	0.15	0.75	66.62%		0.01		
Trim / Thin Trees	0.13	0.08	0.45	39.97%				
Encroachments					0.01			
Erosion / Bank Caving	0.01	0.01	0.05	4.44%				
<i>Supplemental</i>								
2017 USACE Erosion Survey, DRAFT	0.10		0.10	8.88%				
DWR UCIP Field Study					0.13	0.04		
<i>Unit Totals:</i>	0.39	0.24	1.35	119.92%	0.14	0.05	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet
Fall 2018 Levee Inspection Results****Reclamation District No. 0554 Walnut Grove**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2018 Levee Inspection Results

Reclamation District No. 0554 Walnut Grove

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Left	1.13
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/21/2018 - 3/21/2018		10/31/2018 - 10/31/2018	
DWR Inspector	Keith Millard		David Julian	
Accompanied By			Gil Labrie DCC Engineering	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start		Rating **	A	Issue No.	3
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0554_01_f_2014_3				
Comment Code					
Inspector Comment					
The district is prepared to partner with neighboring Districts as in the past.					

No Photos

LM Start		Rating **	A	Issue No.	35
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0554_01_f_2014_35				
Comment Code					
Inspector Comment					
The district has the O&M Manual on hand.					

No Photos

LM Start		Rating **	A	Issue No.	36
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0554_01_f_2014_36				
Comment Code					
Inspector Comment					
The district shares with neighboring district, RD 551.					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	0.02	Rating **	M	Issue No.	38
LM End	0.02	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.249553 °	38.249553 °
				-121.509954 °	-121.509954 °
DWR ID	18976				
Comment Code					
Inspector Comment					
FS_ID:43726 DS_ID:18976 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to verify status of crossing with town of Locke. FIELD_STRUCT_DESC: 12-inch two water systems (a domestic and fire main) through the levee at unknown depth. Crosses levee just south of concrete block pumphouse on waterside (WS) shoulder and terminates at well house off landside (LS) toe. Gatevalve next to corner of pumphouse off LS toe. (12-inch pipe authorized under Permit No. 12944, 1980 - Sacramento Housing and Redevelopment Agency; transfer approval for Plans No. 12944 from Sacramento Housing and Redevelopment Agency to the Conty of Sacramento - Department of Public Works authorized under Permit No. 12944-A, 1982 - County of Sacramento Department of Public Works) FS Date: 3/4/2015 4:49:00 PM					

Photo 1 of 3 : UCIP_FA_2018_43726_73282.jpg



Pumphouse off LS toe.

LM Start	0.02	Rating **	M	Issue No.	38 (cont)
LM End	0.02	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_43726_73281.jpg



Pump over well inside pumphouse on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	0.02	Rating **	M	Issue No.	38 (cont)	
LM End	0.02	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.249553 °	38.249553 °	
				-121.509954 °	-121.509954 °	
DWR ID	18976					
Comment Code						
Inspector Comment						
FS_ID:43726 DS_ID:18976 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to verify status of crossing with town of Locke. FIELD_STRUCT_DESC: 12-inch two water systems (a domestic and fire main) through the levee at unknown depth. Crosses levee just south of concrete block pumphouse on waterside (WS) shoulder and terminates at well house off landside (LS) toe. Gatevalve next to corner of pumphouse off LS toe. (12-inch pipe authorized under Permit No. 12944, 1980 - Sacramento Housing and Redevelopment Agency; transfer approval for Plans No. 12944 from Sacramento Housing and Redevelopment Agency to the Conty of Sacramento - Department of Public Works authorized under Permit No. 12944-A, 1982 - County of Sacramento Department of Public Works) FS Date: 3/4/2015 4:49:00 PM						

Photo 3 of 3 : UCIP_FA_2018_43726_73280.jpg



Gatevalve at corner of pumphouse on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	0.02	Rating **	M	Issue No.	39	
LM End	0.02	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.249538 °	38.249538 °	
				-121.509959 °	-121.509959 °	
DWR ID	20915					
Comment Code						
Inspector Comment						
FS_ID:53405 DS_ID:20915 EP_NO: 3360 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 07/12/2018 No gas line markers at the crossing found. Need to contact PG&E. Crossing has been downgraded to "Non-Urgent" due to reclassification of gas lines. (O.Yakimov-DWR UCIP)7/25/2016 Coordinated with District Engineer, Gilbert Labrie with DCC Engineering. He will investigate the pipe and coordinate with PG&E to find out additional information regarding the fate of the pipe. (DWR UCIP - omagana)3/04/2015 No markers found. Need to contact owner to determine status of crossing. Recommend having owner install markers per CVFPB Title 23 for active pressure line. Owner will need to coordinate with CVFPB. (DWR UCIP - omagana) FIELD_STRUCT_DESC: Gas line along and through the levee, 3.5 feet below the crown. (gas line authorized under Permit No. 3360, 1962 - Pacific Gas and Electric Company [PG&E]) FS Date: 7/12/2018 7:28:04 AM						

Photo 1 of 3 : UCIP_FA_2018_53405_77590.jpg



View of levee crown at the crossing toward LS.

LM Start	0.02	Rating **	M	Issue No.	39 (cont)
LM End	0.02	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_53405_77591.jpg



View of levee crown at the crossing toward WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	0.02	Rating **	M	Issue No.	39 (cont)	
LM End	0.02	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.249538 °	38.249538 °	
				-121.509959 °	-121.509959 °	
DWR ID	20915					
Comment Code						
Inspector Comment						
FS_ID:53405 DS_ID:20915 EP_NO: 3360 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 07/12/2018 No gas line markers at the crossing found. Need to contact PG&E. Crossing has been downgraded to "Non-Urgent" due to reclassification of gas lines. (O.Yakimov-DWR UCIP)7/25/2016 Coordinated with District Engineer, Gilbert Labrie with DCC Engineering. He will investigate the pipe and coordinate with PG&E to find out additional information regarding the fate of the pipe. (DWR UCIP - omagana)3/04/2015 No markers found. Need to contact owner to determine status of crossing. Recommend having owner install markers per CVFPB Title 23 for active pressure line. Owner will need to coordinate with CVFPB. (DWR UCIP - omagana) FIELD_STRUCT_DESC: Gas line along and through the levee, 3.5 feet below the crown. (gas line authorized under Permit No. 3360, 1962 - Pacific Gas and Electric Company [PG&E]) FS Date: 7/12/2018 7:28:04 AM						

Photo 3 of 3 : UCIP_FA_2018_53405_77592.jpg



View of LS at the crossing.

LM Start	0.02	Rating **	U	Issue No.	31
LM End	0.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.249449 °	38.247375 °
				-121.510017 °	-121.509990 °
DWR ID	DWR_RD0554_01_f_2016_31				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove/reduce wild growth on the waterside to 20 feet from the crown.					

Photo 1 of 1 : FA_2018_RD0554_176_31_20180925_00007.jpg



Looking downstream waterside levee slope from levee mile 0.08-0.30.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	0.08	Rating **	U	Issue No.	40
LM End	0.08	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.248643 °	38.248643 °
				-121.509850 °	-121.509850 °
DWR ID	20946				
Comment Code					
Inspector Comment					
FS_ID:42146					
DS_ID:20946					
EP_NO: 5607					
Repair Type: Urgent					
Crossing Status: Indicator Found					
UCIP Comments: No markers. Valves abandoned on landward side--need to contact owner to determine status of crossing.					
FIELD_STRUCT_DESC: Abandoned three 4-inch steel petroleum pipes through the levee, 22.5 feet below the crown. Pipes placed in 8-inch pipe casing through the levee and plugged with concrete. Abandoned under Permit No. 5607 (1966).					
FS Date: 3/12/2014					

Photo 1 of 1 : UCIP_FA_2018_42146_58463.jpg



Valves located on landward side.

LM Start	0.10	Rating **	M	Issue No.	11
LM End	0.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.248262 °	38.248262 °
				-121.509901 °	-121.509901 °
DWR ID	DWR_RD0554_01_s_2014_11				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
This is not a new erosion site, repairs are needed. One tree has fallen into the Sac River at the erosion site. This site can be seen better from the river by boat. The wild grapes blocks the view from the waterside shoulder looking down the slope. Rated as M because it is an oversized levee section.					

Photo 1 of 1 : FA_2018_RD0554_176_11_20180925_00001.jpg



RD 554 Waterside levee slope erosion into the bank, the wild vegetation growth blocks the view.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	0.24	Rating **	M	Issue No.	28
LM End	0.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.246473 °	38.244993 °
				-121.510509 °	-121.511538 °
DWR ID	DWR_RD0554_01_f_2017_28				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove/reduce wild growth on the waterside to 20 feet from the crown.					

No Photos

LM Start	0.26	Rating **	M	Issue No.	24
LM End	0.36	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.246222°	38.245017°
				-121.510878°	-121.511740°
DWR ID	DWR_RD0554_01_f_2018_24				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 27.0 L					
Status: Eroding					
2017 Field Notes: Minor new erosion at toe.					
Site History: 2009 - Tension cracks on road on top of levee. Erosion into the levee slope and mass failure. 2013 - Short vertical sections at bank toe.					

Photo 1 of 2 : FA_2018_RD0554_176_24_20181105_00050.jpg



USACE 2013 Photo #1

LM Start	0.26	Rating **	M	Issue No.	24 (cont)
LM End	0.36	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2018_RD0554_176_24_20181105_00051.jpg



USACE 2013 Photo #2

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	0.27	Rating **	M	Issue No.	41
LM End	0.27	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.246093 °	38.246093 °
				-121.510731 °	-121.510731 °
DWR ID	20897				
Comment Code					
Inspector Comment					
FS_ID:32018					
DS_ID:20897					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to determine status of crossing--was crossing removed during erosion repair site in 2007-2009? Need to coordinate with LMA or owner to obtain additional information about crossing.					
FIELD_STRUCT_DESC: *ABANDONED* 6-inch irrigation pipe of unknown material through the levee, 1.0-foot below the crown. Concrete pump pad on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1983 and 2005. USACE Sacramento O&M Manual Unit No. 111, May 1959, revised 29 Dec 2016, (River Mile [RM] 27.00)]					
FS Date: 3/12/2014					

Photo 1 of 3 : UCIP_FA_2018_32018_58469.jpg



Concrete U wall located on waterward side.

LM Start	0.27	Rating **	M	Issue No.	41 (cont)
LM End	0.27	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_32018_58468.jpg



Concrete vault located on waterward side. Site is a erosion repair site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	0.27	Rating **	M	Issue No.	41 (cont)	
LM End	0.27	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.246093 °	38.246093 °	
				-121.510731 °	-121.510731 °	
DWR ID	20897					
Comment Code						
Inspector Comment						
FS_ID:32018 DS_ID:20897 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine status of crossing--was crossing removed during erosion repair site in 2007-2009? Need to coordinate with LMA or owner to obtain additional information about crossing. FIELD_STRUCT_DESC: *ABANDONED* 6-inch irrigation pipe of unknown material through the levee, 1.0-foot below the crown. Concrete pump pad on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1983 and 2005. USACE Sacramento O&M Manual Unit No. 111, May 1959, revised 29 Dec 2016, (River Mile [RM] 27.00)] FS Date: 3/12/2014						

Photo 3 of 3 : UCIP_FA_2018_32018_58467.jpg



Concrete face no outlet visible on waterward side.

LM Start	0.32	Rating **	U	Issue No.	13
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.245389 °	38.245389 °
				-121.511085 °	-121.511085 °
DWR ID	DWR_RD0554_01_s_2014_13				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
This erosion isn't repaired to date. Large bush growing in eroded gully. Needs repairing.					

Photo 1 of 3 : FA_2018_RD0554_176_13_20180925_00002.jpg



This erosion along the landside levee slope is not new, it was reported two years ago.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	0.32	Rating **	U	Issue No.	13 (cont)	
LM End	0.32	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.245389 °		38.245389 °
				-121.511085 °		-121.511085 °
DWR ID	DWR_RD0554_01_s_2014_13					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
This erosion isn't repaired to date. Large bush growing in eroded gully. Needs repairing.						

Photo 2 of 3 : FA_2018_RD0554_176_13_20180925_00003.jpg



This erosion site along the landside slope levee 0.32 has been reported and has not been repaired.

LM Start	0.32	Rating **	U	Issue No.	13 (cont)
LM End	0.32	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA_2018_RD0554_176_13_20180925_00004.jpg



This erosion is not repaired to date. Large bush growing in eroded gully. Needs repairing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	0.33	Rating **	U	Issue No.	42	
LM End	0.33	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.245295 °	38.245295 °	
				-121.511274 °	-121.511274 °	
DWR ID	20922					
Comment Code						
Inspector Comment						
FS_ID:42143						
DS_ID:20922						
EP_NO: N/A						
Repair Type: Urgent						
Crossing Status: Indicator Found						
UCIP Comments: No markers found. Need to contact owner to determine status of crossing. Unable to confirm if crossings are still active or if they cross levee.						
FIELD_STRUCT_DESC: 1 of 3: 3-inch steel fuel line through the levee, 2.7 feet below the crown. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (RM 27.20).						
FS Date: 3/12/2014						

Photo 1 of 1 : UCIP_FA_2018_42143_60800.jpg



Tank found on landward side.

LM Start	0.33	Rating **	U	Issue No.	43
LM End	0.33	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.245295 °	38.245295 °
				-121.511274 °	-121.511274 °
DWR ID	20932				
Comment Code					
Inspector Comment					
FS_ID:42144 DS_ID:20932 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: No markers found. Need to contact owner to determine status of crossing. Unable to confirm if crossings are still active or if they cross levee. FIELD_STRUCT_DESC: 2 of 3: 3-inch steel fuel line through the levee, 2.7 feet below the crown. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (RM 27.20). FS Date: 3/12/2014					

Photo 1 of 1 : UCIP_FA_2018_42144_60801.jpg



Fuel tank located on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0554 Walnut Grove

Fuel tank located on landward side.

Signs for conduits visible on right bank across channel. Conduits cross left bank, channel, and right bank.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	0.35	Rating **	M	Issue No.	45 (cont)	
LM End	0.35	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.245038°	38.245038°	
				-121.511473°	-121.511473°	
DWR ID	20899					
Comment Code						
Inspector Comment						
FS_ID:43694 DS_ID:20899 EP_NO: 5429 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Signs of open cut along crossing--no markers visible on waterward or landward side. Large across channel on right bank berm indicating cable through levee. FIELD_STRUCT_DESC: Four 4-inch iron conduits through the levee, at various depths below the crown (3.0-4.9 feet). Each conduit encases a shielded telephone cable. Concrete cutoff wall around pipes on landward levee shoulder. Riser pole off the landward levee toe. (four 5-inch diameter AC ducts through a 18-inch pipe authorized under Permit No. 5429, 1967 - General Telephone Company of California; Replacement telephone conduits were pulled through iron conduits under Permit No. 13417, 1983 - General Telephone Company). [Additional Reference(s): DWR Levee Log, 1983 and 2005] FS Date: 3/4/2015						

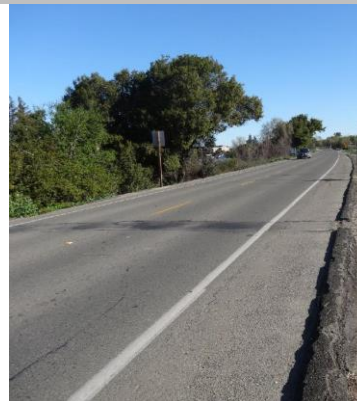
LM Start	0.35	Rating **	M	Issue No.	45 (cont)
LM End	0.35	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_43694_73221.jpg



View of waterside from landside shoulder. Cuts in pavement indicate presence of pipe trench across levee.

Photo 3 of 3 : UCIP_FA_2018_43694_58062.jpg



Signs of cut through levee at conduit.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	0.35	Rating **	U	Issue No.	29
LM End	0.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.244993 °	38.244993 °
				-121.511538 °	-121.511538 °
DWR ID	DWR_RD0554_01_f_2017_29				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove cactus and trim trees to allow inspection and access to lanside slope and toe.					

Photo 1 of 1 : FA_2018_RD0554_176_29_20180925_00005.jpg



Remove cactus and trim trees to allow inspection and access to landside slope and toe.

LM Start	0.36	Rating **	A/W	Issue No.	15
LM End	0.41	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.244872 °	38.244308 °
				-121.511600 °	-121.512057 °
DWR ID	DWR_RD0554_01_s_2014_15				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					
Veg. Site.					

No Photos

LM Start	0.45	Rating **	M	Issue No.	32
LM End	0.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.243818 °	38.243389 °
				-121.512459 °	-121.512919 °
DWR ID	DWR_RD0554_01_f_2017_32				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Waterside vegetation should be cleared to 20 feet from crown for inspection and access.					

Photo 1 of 1 : FA_2018_RD0554_176_32_20180925_00008.jpg



Waterside vegetation should be cleared to 20 feet from crown for inspection and access.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	0.58	Rating **	U	Issue No.	25
LM End	0.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.242268 °	38.242268 °
				-121.513802 °	-121.513802 °
DWR ID	DWR_RD0554_01_f_2018_25				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0554_176_25_20181031_00049.jpg



View of thick trees on the land side slope (October 2018)

LM Start	0.60	Rating **	M	Issue No.	46
LM End	0.60	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.242101 °	38.242101 °
				-121.514086 °	-121.514086 °
DWR ID	20912				
Comment Code					
Inspector Comment					
FS_ID:32020					
DS_ID:20912					
EP_NO: 11154					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to confirm if this pipe section is the same one listed under 11154. Need to contact owner to determine status and obtain additional information about crossing.					
FIELD_STRUCT_DESC: *ABANDONED* 8-inch pipe of unknown material or purposoe through the levee, 9.8 feet below the crown. Pump on landside (LS) toe. (8-inch pipe retained under Automatic Board Order (ABO) issued as Permit No. 11154, 1975 - M.M. & H.L. Brown, two 4-inch [HLM 0.75]) [Additional Reference(s): DWR Levee Log, 1983 and 2005. USACE Sacramento O&M Manual Unit No. 111, May 1959, revised 29 Dec 2016, (River Mile [RM] 26.66)]					
FS Date: 3/12/2014					

Photo 1 of 1 : UCIP_FA_2018_32020_58473.jpg



Steel pipe filled with concrete visible on landward shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	0.64	Rating **	M	Issue No.	47
LM End	0.64	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.241550°	38.241550°	
			-121.514535°	-121.514535°	

DWR ID	25080
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Comment Code	
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Inspector Comment	
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FS_ID:43805
DS_ID:25080
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: No permit found. Further investigation required.
FIELD_STRUCT_DESC: 4-inch cast iron sewer pipe through the levee at an unknown depth. Pipe visible on bridge. Sewer cleanout on waterside (WS) shoulder and cut in pavement visible in roadway. (4-inch pipe authorized under Permit No. 870, 1941 - Shell Oil Company, incorporated)
FS Date: 3/5/2015

LM Start	0.64	Rating **	M	Issue No.	47 (cont)
LM End	0.64	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_43805_73320.jpg



Sewer cleanout on WS shoulder.

Photo 2 of 3 : UCIP_FA_2018_43805_73321.jpg



Pipe visible at bridge on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	0.64	Rating **	M	Issue No.	47 (cont)	
LM End	0.64	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.241550 °	38.241550 °	
				-121.514535 °	-121.514535 °	
DWR ID	25080					
Comment Code						
Inspector Comment						
FS_ID:43805						
DS_ID:25080						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No permit found. Further investigation required.						
FIELD_STRUCT_DESC: 4-inch cast iron sewer pipe through the levee						
at an unknown depth. Pipe visible on bridge. Sewer cleanout on						
waterside (WS) shoulder and cut in pavement visible in roadway. (4-						
inch pipe authorized under Permit No. 870, 1941 - Shell Oil Company,						
incorporated)						
FS Date: 3/5/2015						

Photo 3 of 3 : UCIP_FA_2018_43805_73322.jpg



Cut in pavement at pipe alignment.

LM Start	0.65	Rating **	A/W	Issue No.	4
LM End	0.82	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.241503°	38.239527°
				-121.514579°	-121.516441°
DWR ID	DWR_RD0554_01_s_2012_4				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					
Revegetation site.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	0.88	Rating **	U	Issue No.	30
LM End	0.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.238680 °	38.237638 °
				-121.517010 °	-121.516871 °
DWR ID	DWR_RD0554_01_f_2016_30				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
These trees along this stretch of levee need to be trimmed from ground up 5.0 feet so the slope can be seen and accessed.					

Photo 1 of 1 : FA_2018_RD0554_176_30_20180925_00006.jpg



Looking downstream at the wild growth on the landside levee slope.

LM Start	0.89	Rating **	M	Issue No.	48	
LM End	0.89	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.238595 °		38.238595 °
				-121.516945 °		-121.516945 °
DWR ID	20941					
Comment Code						
Inspector Comment						
FS_ID:32021 DS_ID:20941 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm how many sewer lines cross levee. Desk study shows 2 crossings 4-inch not 6 inch. Need to contact owner to confirm status of crossing. FIELD_STRUCT_DESC: 1 of 2: 4-inch clay sewer pipe through the levee, 10.2 feet below the crown. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (RM 26.50). FS Date: 3/12/2014 2:06:00 PM						

Photo 1 of 3 : UCIP_FA_2018_32021_58475.jpg



Underground service alert (USA) markers confirming sewer line.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	0.89	Rating **	M	Issue No.	48 (cont)	
LM End	0.89	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.238595 °	38.238595 °	
				-121.516945 °	-121.516945 °	
DWR ID	20941					
Comment Code						
Inspector Comment						
FS_ID:32021 DS_ID:20941 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm how many sewer lines cross levee. Desk study shows 2 crossings 4-inch not 6 inch. Need to contact owner to confirm status of crossing. FIELD_STRUCT_DESC: 1 of 2: 4-inch clay sewer pipe through the levee, 10.2 feet below the crown. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (RM 26.50). FS Date: 3/12/2014 2:06:00 PM						

Photo 2 of 3 : UCIP_FA_2018_32021_58474.jpg



View of levee crown.

LM Start	0.89	Rating **	M	Issue No.	48 (cont)
LM End	0.89	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2018_32021_58477.jpg



View of USA marker on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	0.89	Rating **	M	Issue No.	49	
LM End	0.89	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.238595 °	38.238595 °	
				-121.516945 °	-121.516945 °	
DWR ID	20942					
Comment Code						
Inspector Comment						
FS_ID:32022 DS_ID:20942 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm how many sewer lines cross levee. Desk study shows 2 crossings 4-inch not 6 inch. Need to contact owner to confirm status of crossing. FIELD_STRUCT_DESC: 2 of 2: 4-inch clay sewer pipe through the levee, 10.2 feet below the crown. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (RM 26.50). FS Date: 3/12/2014						

Photo 1 of 3 : UCIP_FA_2018_32022_58480.jpg



Underground service alert (USA) marker on waterward shoulder for sewer line.

LM Start	0.89	Rating **	M	Issue No.	49 (cont)
LM End	0.89	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_32022_58479.jpg



View of levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	0.89	Rating **	M	Issue No.	49 (cont)	
LM End	0.89	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.238595 °		38.238595 °
				-121.516945 °		-121.516945 °
DWR ID	20942					
Comment Code						
Inspector Comment						
FS_ID:32022 DS_ID:20942 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm how many sewer lines cross levee. Desk study shows 2 crossings 4-inch not 6 inch. Need to contact owner to confirm status of crossing. FIELD_STRUCT_DESC: 2 of 2: 4-inch clay sewer pipe through the levee, 10.2 feet below the crown. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (RM 26.50). FS Date: 3/12/2014						

Photo 3 of 3 : UCIP_FA_2018_32022_58478.jpg



View of landward shoulder--USA marker.

LM Start	0.89	Rating **	M	Issue No.	50
LM End	0.89	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.238510°	38.238510°
				-121.516948°	-121.516948°
DWR ID	25081				
Comment Code					
Inspector Comment					
FS_ID:43804 DS_ID:25081 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: No permit identified for crossing. Further investigation required. FIELD_STRUCT_DESC: 6-inch steel sewer pipe through the levee at an unknown depth below the levee crown. USAA markings on pavement indicate crossing at center of ramp on landside (LS) slope. FS Date: 3/5/2015					

Photo 1 of 3 : UCIP_FA_2018_43804_73323.jpg



USAA SS marking on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	0.89	Rating **	M	Issue No.	50 (cont)	
LM End	0.89	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.238510 °	38.238510 °	
				-121.516948 °	-121.516948 °	
DWR ID	25081					
Comment Code						
Inspector Comment						
FS_ID:43804						
DS_ID:25081						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: No permit identified for crossing. Further investigation required.						
FIELD_STRUCT_DESC: 6-inch steel sewer pipe through the levee at an unknown depth below the levee crown. USAA markings on pavement indicate crossing at center of ramp on landside (LS) slope.						
FS Date: 3/5/2015						

Photo 2 of 3 : UCIP_FA_2018_43804_73324.jpg



USAA SS marking on LS shoulder.

LM Start	0.89	Rating **	M	Issue No.	50 (cont)
LM End	0.89	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2018_43804_73325.jpg



Alignment through center of driver on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	0.92	Rating **	M	Issue No.	51
LM End	0.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.238126 °	38.238126 °
				-121.516908 °	-121.516908 °
DWR ID	20943				
Comment Code					
Inspector Comment					
FS_ID:53406 DS_ID:20943 EP_NO: 2321 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 07/12/2018 Dense vegetation on LS. Unable to approach pumphouse at LS toe and evaluate levee condition. Crossing has been downgraded to "Non-Urgent". No integrity issue was observed on levee. (O.Yakimov-DWR UCIP)7/25/2016 Coordinated with District Engineer, Gilbert Labrie with DCC Engineering. He will coordinate with owner. (DWR UCIP - omagana)3/05/2015 Pipe leak at landside toe 23-ft upstream from pumphouse on LS toe. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 1.0-inch steel domestic water pipe through the levee, 1.5 feet below the crown. Shut off valve on the waterside (WS) and at the pump house downstream 170 feet on landside (LS) toe. Pump in pump house on LS toe. An additional 1.5-inch galvanized iron drinking water pipe runs from pump house along LS toe parallel to levee. (0.5-inch pipe authorized under Permit No. 2321, 1957 - Clara B. Salisbury). FS Date: 7/12/2018 7:30:45 AM					

LM Start	0.92	Rating **	M	Issue No.	51 (cont)
LM End	0.92	Issue Type +	En	Location *	

A photograph of a small, cluttered room, likely a bathroom, showing a toilet, a large water tank, and various pipes and debris on the floor. The room has corrugated metal walls and a concrete floor. A large, dark, cylindrical water tank is visible on the right side. A toilet is in the center, with a blue plastic bag and other debris on the floor next to it. A large, rusted metal pipe is on the left. A date stamp "03/05/2015 11:57" is visible in the bottom right corner.

Pressurized tank, meter and pump in pumphouse on LS toe.

A 1-inch and a 1.5-inch galvanized iron drinking water pipe with shutoff valves at pumphouse on LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	0.92	Rating **	M	Issue No.	51 (cont)	
LM End	0.92	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.238126 °	38.238126 °	
				-121.516908 °	-121.516908 °	
DWR ID	20943					
Comment Code						
Inspector Comment						
FS_ID:53406 DS_ID:20943 EP_NO: 2321 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 07/12/2018 Dense vegetation on LS. Unable to approach pumphouse at LS toe and evaluate levee condition. Crossing has been downgraded to "Non-Urgent". No integrity issue was observed on levee. (O.Yakimov-DWR UCIP)7/25/2016 Coordinated with District Engineer, Gilbert Labrie with DCC Engineering. He will coordinate with owner. (DWR UCIP - omagana)3/05/2015 Pipe leak at landside toe 23-ft upstream from pumphouse on LS toe. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 1.0-inch steel domestic water pipe through the levee, 1.5 feet below the crown. Shut off valve on the waterside (WS) and at the pump house downstream 170 feet on landside (LS) toe. Pump in pump house on LS toe. An additional 1.5-inch galvanized iron drinking water pipe runs from pump house along LS toe parallel to levee. (0.5-inch pipe authorized under Permit No. 2321, 1957 - Clara B. Salisbury). FS Date: 7/12/2018 7:30:45 AM						

Photo 3 of 3 : UCIP_FA_2018_53406_77593.jpg



View of levee crown at the crossing.

LM Start	0.99	Rating **	M	Issue No.	6
LM End	0.99	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.237108 °	38.237108 °
				-121.516743 °	-121.516743 °
DWR ID	DWR_RD0554_01_s_ 2012_6				
Comment Code					
BU : Building					
Inspector Comment					
There is a permit application in process for this site reconstruction being submitted by Gil Labrie and his staff. Confirmed by Gil in Spring 2018.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	1.00	Rating **	M	Issue No.	37
LM End	1.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.236991°	38.235232°
				-121.516812°	-121.517341°
DWR ID	DWR_RD0554_01_s_2017_37				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Thin out the trees and remove the wild growth blocking view of the levee section.					

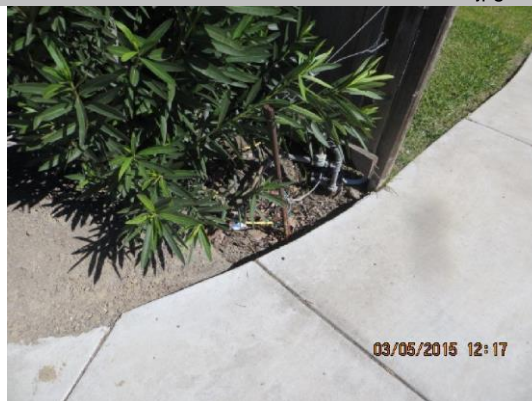
Photo 1 of 1 : FA_2018_RD0554_176_37_20180925_00009.jpg



Trees on waterside should be thinned and trimmed to allow inspection and access.

LM Start	1.09	Rating **	M	Issue No.	52	
LM End	1.09	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.235743 °	38.235743 °	
				-121.517032 °	-121.517032 °	
DWR ID	25083					
Comment Code						
Inspector Comment						
FS_ID:43810						
DS_ID:25083						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No permit identified for crossing. Further investigation required.						
FIELD_STRUCT_DESC: Two 1-inch conduits through the levee, 1-foot below the levee crown. Valves appear to be installed on landside (LS) shoulder. Dock on waterside (WS) slope.						
FS Date: 3/5/2015						

Photo 1 of 3 : UCIP_FA_2018_43810_73328.jpg



Pipes visible at LS shoulder next to driveway.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	1.09	Rating **	M	Issue No.	52 (cont)	
LM End	1.09	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.235743 °	38.235743 °	
				-121.517032 °	-121.517032 °	
DWR ID	25083					
Comment Code						
Inspector Comment						
FS_ID:43810 DS_ID:25083 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for crossing. Further investigation required. FIELD_STRUCT_DESC: Two 1-inch conduits through the levee, 1-foot below the levee crown. Valves appear to be installed on landside (LS) shoulder. Dock on waterside (WS) slope. FS Date: 3/5/2015						

Photo 2 of 3 : UCIP_FA_2018_43810_73329.jpg



Pipes and valves visible on LS shoulder.

LM Start	1.09	Rating **	M	Issue No.	52 (cont)
LM End	1.09	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2018_43810_73330.jpg



Possible outlet on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	1.11	Rating **	M	Issue No.	53
LM End	1.11	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.235429 °	38.235429 °
				-121.517169 °	-121.517169 °
DWR ID	20930				
Comment Code					
Inspector Comment					
FS_ID:43747 DS_ID:20930 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe should be abandoned properly. Pipe was visible just upstream of other pipe that was exposed for repair on WS slope. FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel irrigation pipe through the levee, 3.7-feet below the crown. Pump located on the waterside (WS). Pipe is buried/abandoned in-place. [Additional Reference(s): USACE Sacramento O&M Manual Unit No. 111, May 1959, revised 29 Dec 2016, (River Mile [RM] 26.10)] FS Date: 3/5/2015					

Photo 1 of 1 : UCIP_FA_2018_43747_73286.jpg



Abandoned pipe was exposed on WS slope when a trench was opened to repair the other 8-inch pipe at the site.

LM Start	1.11	Rating **	M	Issue No.	54
LM End	1.11	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.235422 °	38.235422 °
				-121.517172 °	-121.517172 °
DWR ID	20911				
Comment Code					
Inspector Comment					
FS_ID:43748 DS_ID:20911 EP_NO: 5023 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe in open trench on WS slope and exposed on LS shoulder. Pipe repair on WS may indicate problem with pipe. Pipe missing air releif valve on LS shoulder. Distribution box on LS toe abandoned. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 2.4 feet below the crown. Cutoff wall around center of pipe. Air-relief valve on landside (LS) levee shoulder. Pump on waterside (WS) slope. Concrete distribution box on LS toe (remove existing 8-inch and replace an 8-inch irrigation pipe authorized under Permit No. 5023, 1965 - Dye Company). [Additional Reference(s): DWR Levee Log, 1983 and 2005] FS Date: 3/5/2015					

Photo 1 of 3 : UCIP_FA_2018_43748_73289.jpg



Pipe in open trench on WS slope. Repair patch on pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	10/31/2018 10/31/2018	David Julian

LM Start	1.11	Rating **	M	Issue No.	54 (cont)	
LM End	1.11	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.235422 °	38.235422 °	
				-121.517172 °	-121.517172 °	
DWR ID	20911					
Comment Code						
Inspector Comment						
FS_ID:43748 DS_ID:20911 EP_NO: 5023 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe in open trench on WS slope and exposed on LS shoulder. Pipe repair on WS may indicate problem with pipe. Pipe missing air releif valve on LS shoulder. Distribution box on LS toe abandoned. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 2.4 feet below the crown. Cutoff wall around center of pipe. Air-relief valve on landside (LS) levee shoulder. Pump on waterside (WS) slope. Concrete distribution box on LS toe (remove existing 8-inch and replace an 8-inch irrigation pipe authorized under Permit No. 5023, 1965 - Dye Company). [Additional Reference(s): DWR Levee Log, 1983 and 2005] FS Date: 3/5/2015						

LM Start	1.11	Rating **	M	Issue No.	54 (cont)
LM End	1.11	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_43748_73288.jpg



Pipe exposed on WS slope. pump, shutoff valve, and meter on pole on WS slope.

Photo 3 of 3 : UCIP_FA_2018_43748_73287.jpg



Pipe exposed on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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